

09/28/83

PATENT
ATTORNEY DOCKET NO. 06618/425001/CIT2956

USING A MICROMACHINED MAGNETOSTATIC
RELAY IN COMMUTATING A DC MOTOR

Abstract

5 A DC motor is commutated by rotating a magnetic rotor to
induce a magnetic field in at least one magnetostatic relay in
the motor. Each relay is activated in response to the magnetic
field to deliver power to at least one corresponding winding
connected to the relay. In some cases, each relay delivers power
first through a corresponding primary winding and then through a
corresponding secondary winding to a common node. Specific
examples include a four-pole, three-phase motor in which each
relay is activated four times during one rotation of the magnetic
rotor.

86257.LJ1

660000 "FEB 1983"